

Figure 1

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#5

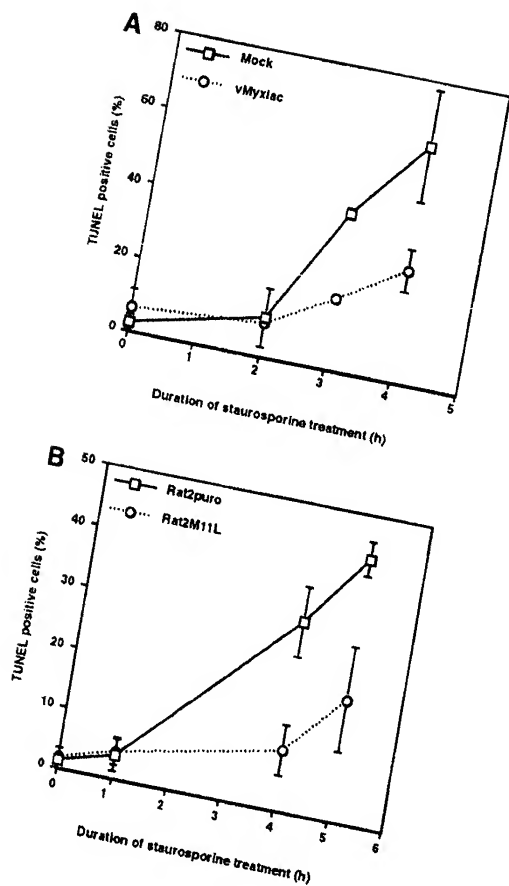


Figure 1 (con't)

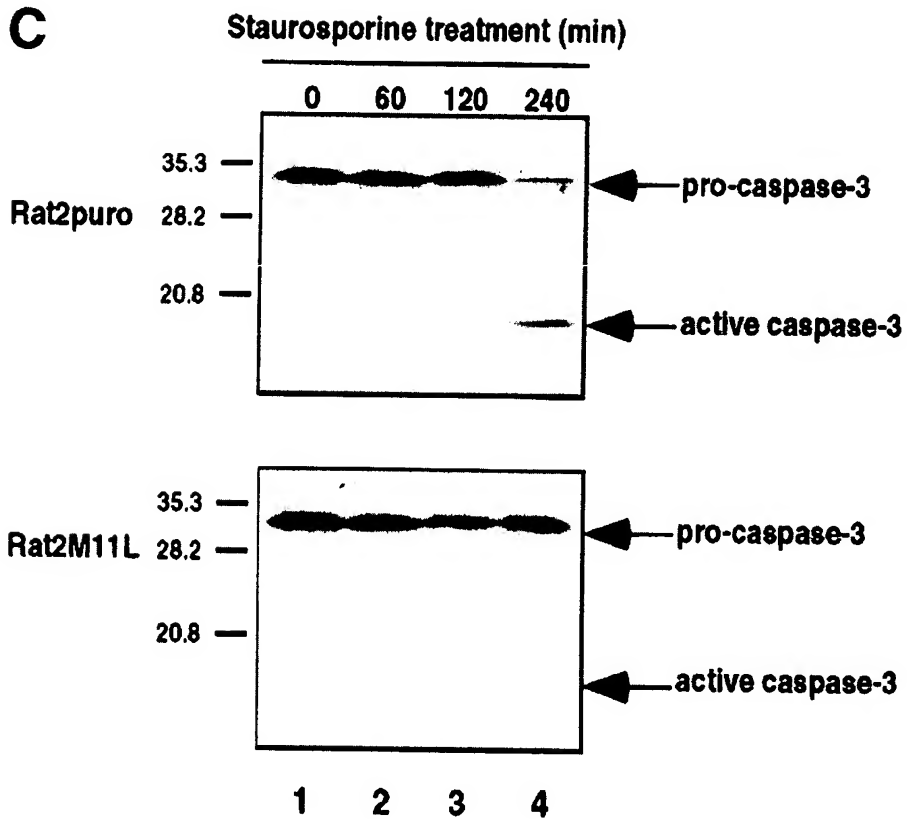
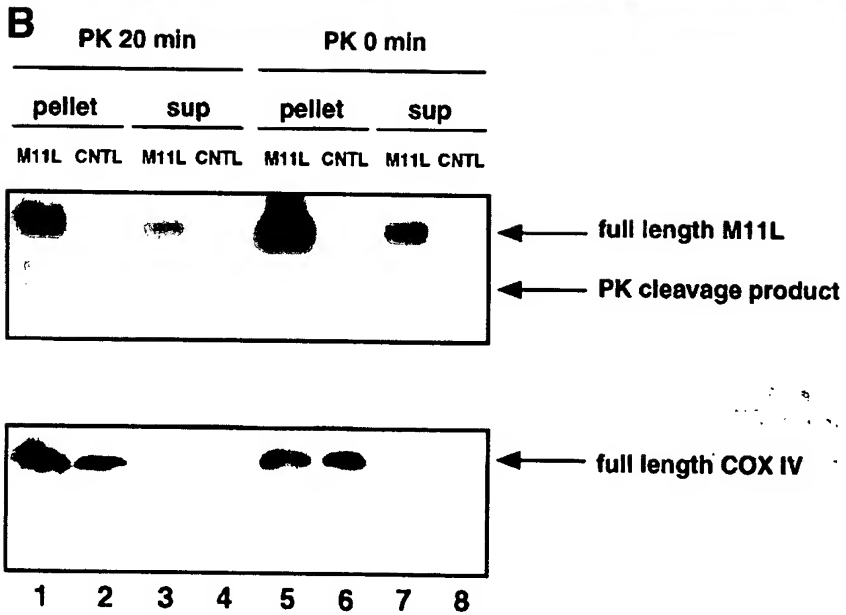
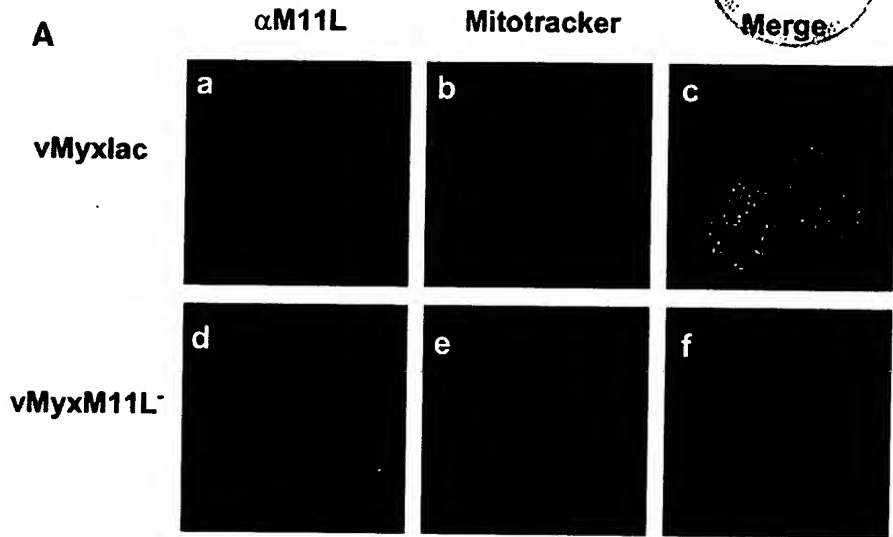


Figure 2



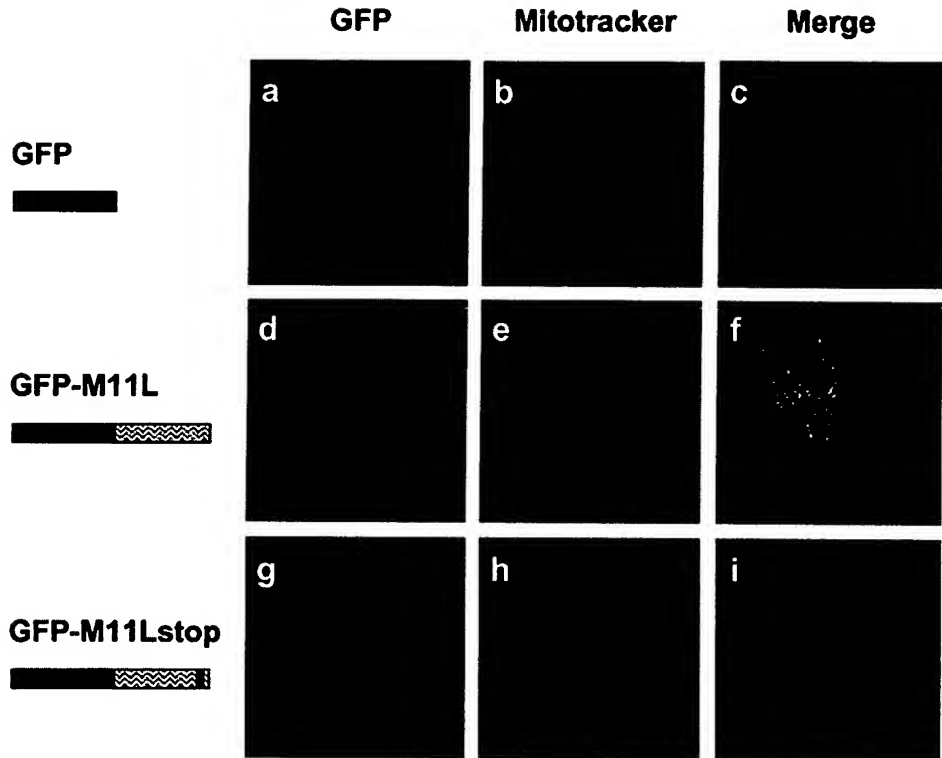
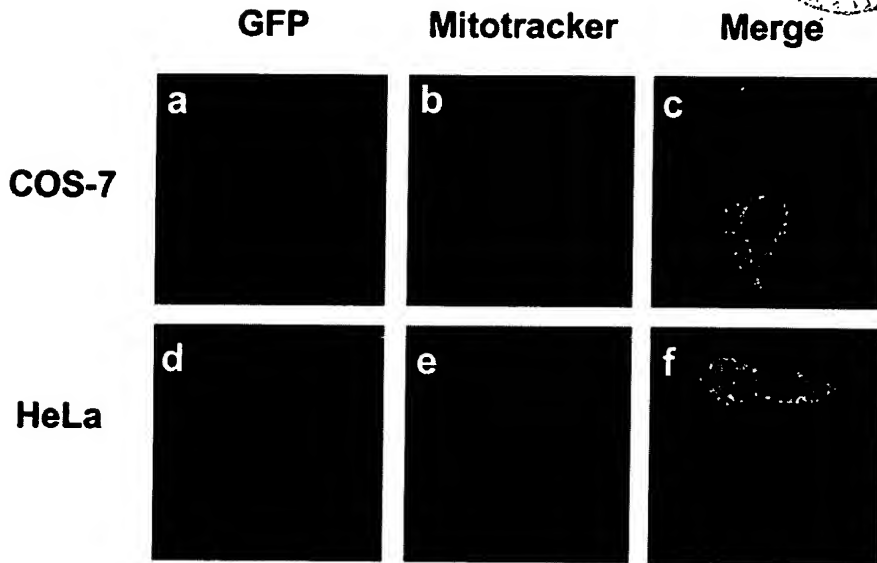
**Figure 3**



Figure 4



GFP

mtmt = KISVYLTAAVVGFVAYGILKWYRG

+

+

+

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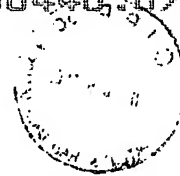


Figure 5

				domain is a mitochondrial targeting signal	domain is required for function
M11L	K	ISVYLTAADVGVFVAYGIL	K WYRGT	Y	Y
Bcl-2	K	TLLSLALVGACITLGAYLS	E K	Y	Y/N
Bcl-X _L	R	WFLTGMTVAGVLLGSLFS	R K	Y	Y/N
Boc/Diva	R	LLIQAFLSGFFATAIFFIW	K RL	?	?
CED-9	R	WSMIGAGVTAGAIGIVGVVVC	R MMFSLK	?	?
BHRF-1	R	FSWTLFLAGLTLSELLVICSYLFIS	R GRN	Y	Y
KSbcl-2	R	MTALLGSIALLATILAAVAMS	R R	?	?
Nip3	K	VFLPSLLLSHLLAIGLGIYIG	R RLTTSTSTF	Y	Y
Nix	K	VFIPSLPLSHVLALGLGIYIG	K RLSTPSA	Y	Y
	positive charge	18-24 aa putative membrane-spanning domain	positive charge positive tail		

Figure 6

A

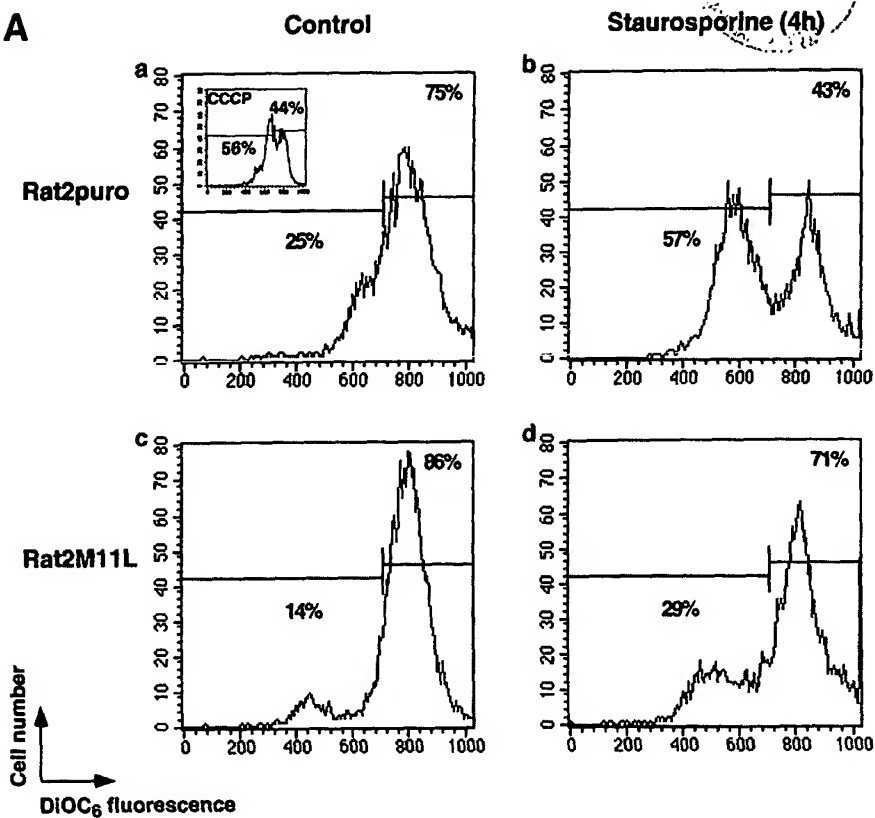
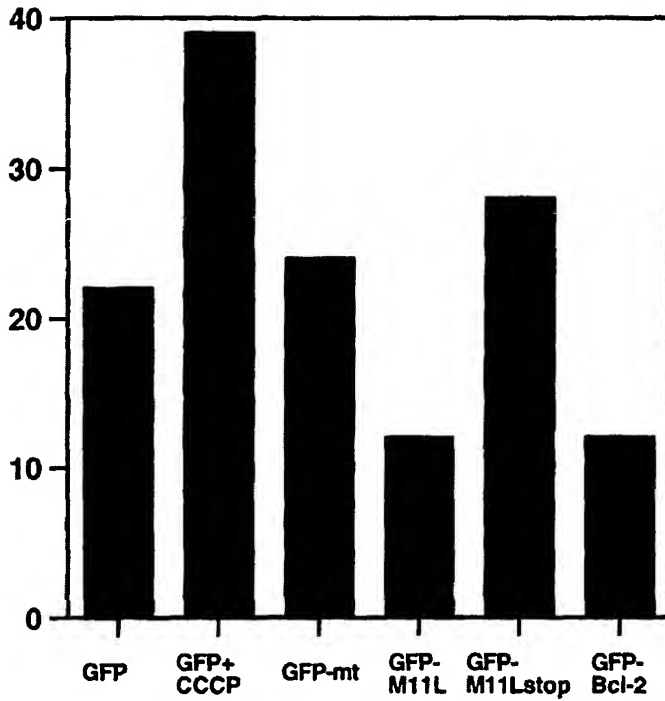




Figure 6 (con't)

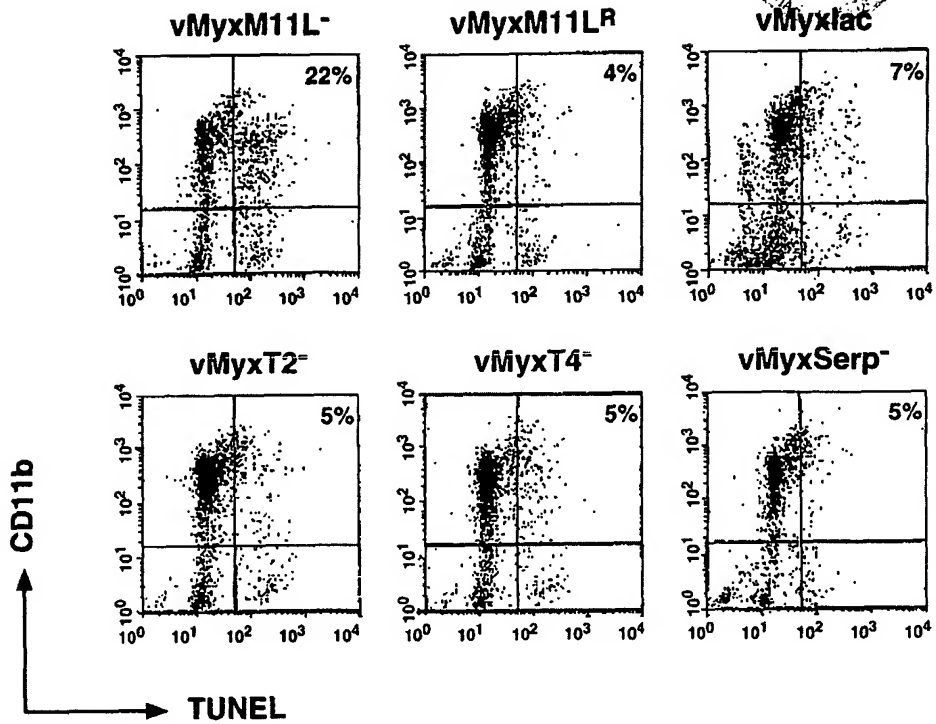
B

Average percent difference in TMRE positive cells following apoptosis induction



GFP construct expressed by cells

Figure 7

0004-1000
0195-1000



Process to Identify M11L-interacting Proteins

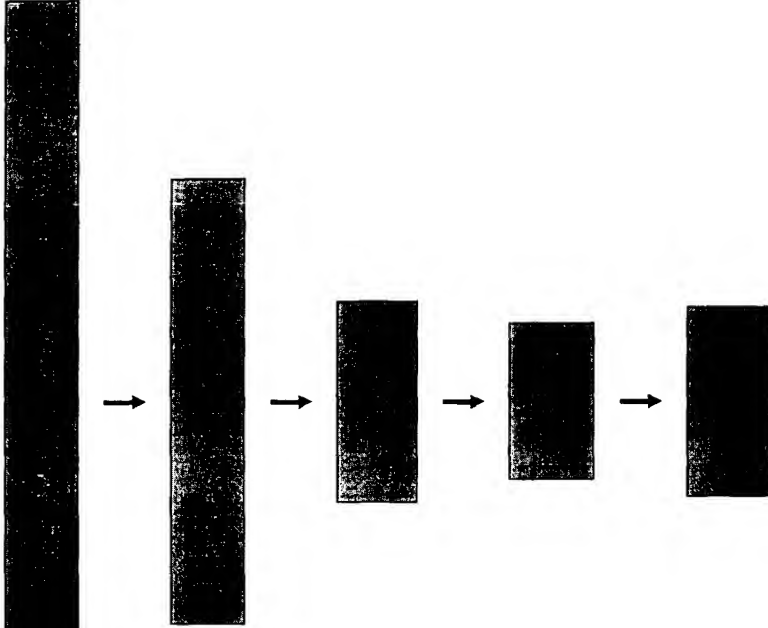


Figure 8

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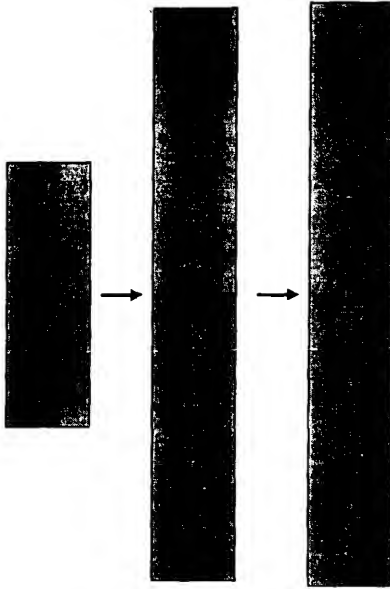
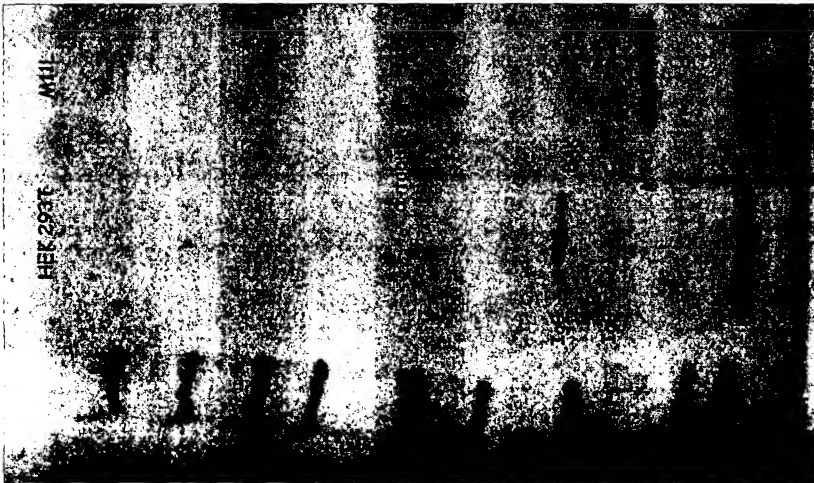
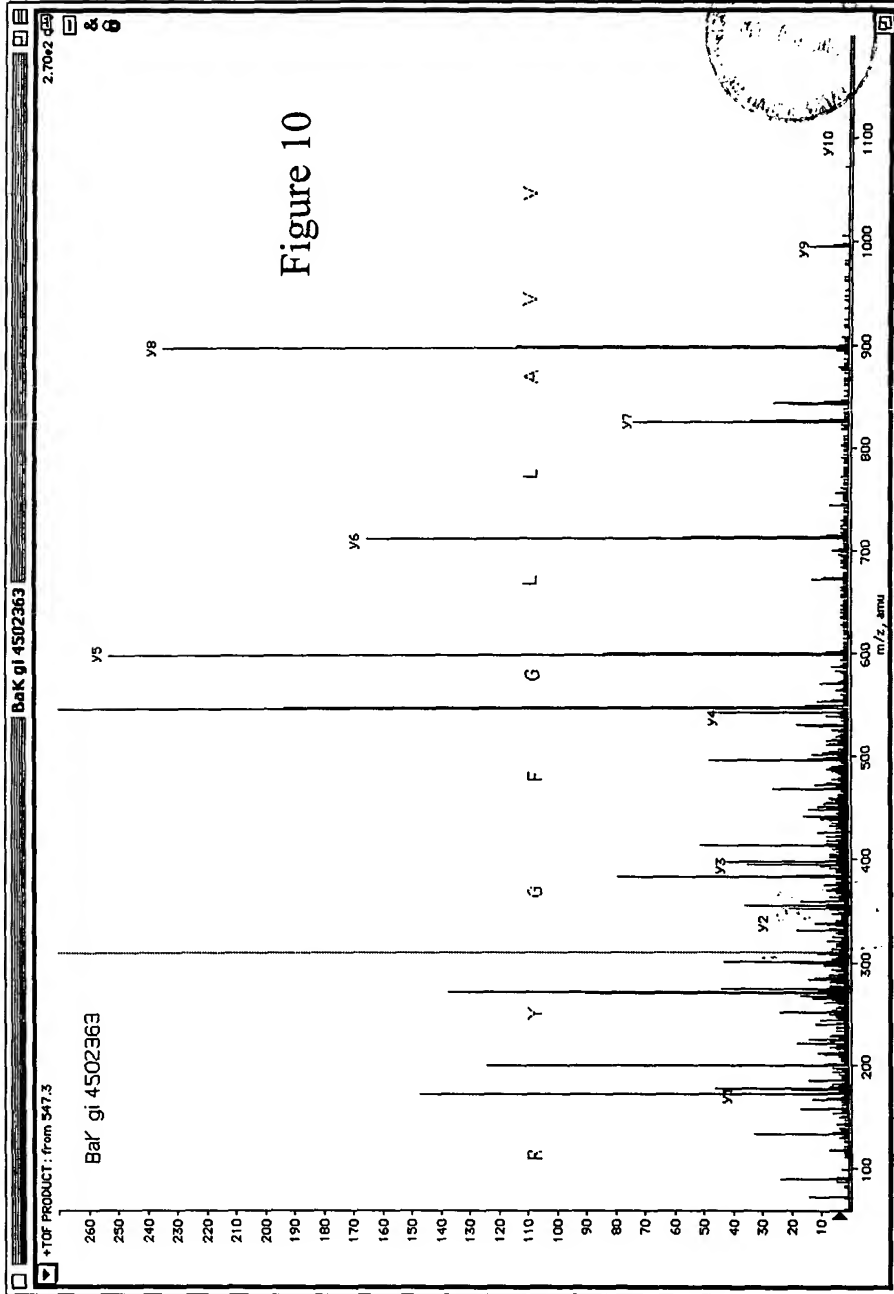


Figure 9





Bak, a Bcl2 family member, was identified
by Mass Spec

MASGQGGPPRQECGEPALPSASEEQVAQD

TEEVFRSYWFYRHQQEQEAEGVAAAPADPEM

VTLPQPSSTMGQVGR**QLAIGDDINR**RYD

SEFQTMLQLHLQPTAENAYEYFTK**IATSLFE**

SGINWGRVALLGFGYRLALHVVYQH

GLTGFLGQVTRFVDFMLHHCIARWIAQRGGWVA

ALNLGNGPILNLVLGVLLGQFVWRRFFKS

Figure 11



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